

Title (en)

Driving force transmission control system

Title (de)

Antriebskraftübertragungs-Steuerungssystem

Title (fr)

Système de contrôle de transmission de force de conduite

Publication

EP 2905498 A3 20160511 (EN)

Application

EP 14177252 A 20140716

Priority

JP 2013149595 A 20130718

Abstract (en)

[origin: US2015025763A1] A driving force transmission control system includes: an electric motor; a multi-disc clutch; a cam mechanism that converts rotation output from the electric motor into cam thrust force that is axial force in the axial direction of the multi-disc clutch; a pressure-conversion mechanism that converts reaction force against the cam thrust force into pressure of a fluid; a pressure sensor that detects the pressure; and a control unit that computes a command value of a current supplied to the electric motor. The control unit stores the pressure of the fluid during disengagement of the multi-disc clutch, and computes the current command value based on the pressure of the fluid to which the reaction force against the cam thrust force has been applied, and the stored pressure of the fluid.

IPC 8 full level

F16D 48/06 (2006.01)

CPC (source: EP US)

F16D 13/38 (2013.01 - US); **F16D 48/06** (2013.01 - EP US); **B60W 10/02** (2013.01 - US); **F16D 2023/123** (2013.01 - EP US); **F16D 2500/1024** (2013.01 - EP US); **F16D 2500/3023** (2013.01 - EP US); **F16D 2500/3024** (2013.01 - EP US); **F16D 2500/3027** (2013.01 - EP US); **F16D 2500/3056** (2013.01 - EP US); **F16D 2500/70217** (2013.01 - EP US); **F16D 2500/70252** (2013.01 - EP US); **F16D 2500/70406** (2013.01 - EP US); **F16D 2500/70418** (2013.01 - EP US)

Citation (search report)

- [X] EP 1975446 A1 20081001 - UNIVANCE CORP [JP]
- [X] EP 1559606 A2 20050803 - MAGNA DRIVETRAIN AMERICA INC [US]
- [X] JP 2009002393 A 20090108 - UNIVANCE CORP

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2015025763 A1 20150122; **US 9074645 B2 20150707**; CN 104295632 A 20150121; CN 104295632 B 20180626; EP 2905498 A2 20150812; EP 2905498 A3 20160511; JP 2015021552 A 20150202; JP 6194666 B2 20170913

DOCDB simple family (application)

US 201414332694 A 20140716; CN 201410338942 A 20140716; EP 14177252 A 20140716; JP 2013149595 A 20130718